

## INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP2005/001555

A. CLASSIFICATION OF SUBJECT MATTER  
Int.Cl<sup>7</sup> C22C38/00

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

Int.Cl<sup>7</sup> C22C38/00

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

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Kokai Jitsuyo Shinan Koho	1971-2005	Toroku Jitsuyo Shinan Koho	1994-2005

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	JP 11-71643 A (USINOR), 16 March, 1999 (16.03.99), Claims; column 9, line 47 to column 10, line 39	1-4, 7-12, 15-20 5,13
X	JP 56-51222 B2 (Armco Steel Corp.), 03 December, 1981 (03.12.81), Claims; column 3, lines 29 to 38; tables 1, 2	6,14
Y	JP 1-225754 A (Armco Advanced Materials Inc.), 08 September, 1989 (08.09.89), Claims; page 4, upper left column, lines 15 to 20	5,13

 Further documents are listed in the continuation of Box C. See patent family annex.

- \* Special categories of cited documents:
- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier application or patent but published on or after the international filing date
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- "O" document referring to an oral disclosure, use, exhibition or other means
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Date of the actual completion of the international search  
26 April, 2005 (26.04.05)Date of mailing of the international search report  
17 May, 2005 (17.05.05)Name and mailing address of the ISA/  
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## C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	JP 2002-194511 A (Caterpillar Inc.), 10 July, 2002 (10.07.02), Claims; column 13, lines 5 to 19	1-20

**INTERNATIONAL SEARCH REPORT**  
Information on patent family members

International application No.  
**PCT/JP2005/001555**

JP 2003-525354 A	2003.08.26	SE 514816 C2 US 2001-31217 A1 AU 2001-41320 A WO 2001/64969 A1 EP 1259656 A1 NO 2002-4150 A KR 2002-79928 A	2001.04.30 2001.10.18 2001.09.12 2001.09.07 2002.11.27 2002.10.30 2002.10.19
JP 56-51222 B2	1981.12.03	DE 2163511 A FR 2119612 A US 3736131 A GB 1363087 A CA 961310 A	1972.06.13 1972.07.10 1973.05.29 1974.08.14 1975.01.21
JP 1-225754 A	1989.09.08	US 4828630 A EP 327053 A BR 8900374 A ZA 8900088 A ES 2032224 T3 CA 1324729 C KR 9708165 B1	1989.05.09 1989.08.09 1989.09.26 1990.03.28 1993.01.16 1993.11.30 1997.05.21
2002-194511 A	2002.07.10	EP 1219720 A2 US 2002-110476 A1 KR 2046988 A	2002.07.03 2002.08.15 2002.06.21

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**INTERNATIONAL SEARCH REPORT**

International application No.

PCT/JP2005/001555

<subject to be searched>

Claims 1 and 2 include all types of austenitic-ferritic stainless steel plate. Whereas only the specific "two-phase stainless steel plate which has a chemical composition, in mass %, that C: 0.2 % or less, Si: 4 % or less, Mn: 12 % or less, P: 0.1 % or less, S: 0.03 % or less, Cr: 15 to 35 %, Ni: 3 % or less, and N: 0.05 to 0.6 %, and the balance: Fe and inevitable impurities, and has an austenite phase and a ferrite phase" described in the specification is disclosed in the meaning of PCT Article 5, and, no general means for solving the problem described in the present application for the above-mentioned all types of austenitic-ferritic stainless steel plate is taught even when the technical common sense at the time of filing of the application is taken into consideration. Therefore, claims 1 and 2 lack the support in the meaning of PCT Article 6.

Accordingly, the search has been carried out with respect to the scope supported by and disclosed in the specification, that is, the specific "two-phase stainless steel plate which has a chemical composition, in mass %, that C: 0.2 % or less, Si: 4 % or less, Mn: 12 % or less, P: 0.1 % or less, S: 0.03 % or less, Cr: 15 to 35 %, Ni: 3 % or less, and N: 0.05 to 0.6 %, and the balance: Fe and inevitable impurities, and has an austenite phase and a ferrite phase" described in the specification specifically.

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